

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	481	424/617.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 11:45
L2	468	424/618.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 11:45
L3	449	424/630.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 11:45
L4	699	424/641.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 11:45
L5	809	514/492.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 11:45
L6	699	4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 11:45
L7	476	514/494.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 11:45
L8	133	514/495.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 11:45
L9	15185	(magnetron adj sputtering)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 11:45
L10	12	l1 and l9	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 11:46
L11	27	l2 and l9	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 11:46

## EAST Search History

L12	5	I3 and I9	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 11:46
L13	3	I4 and I9	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 11:46
L14	6	I5 and I9	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 11:46
L15	2	I7 and I9	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 11:46
L16	5	I8 and I9	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 11:46

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	81	((magnetron adj sputtering) and antibacterial)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:13
L2	11	l1 and magnetron.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 06:48
L3	2	"6190407".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 06:52
L4	0	l2 and ((zirconium or chromium or titanium) with nitride)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 06:52
L5	68377	((zirconium or chromium or titanium) with nitride)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 06:53
L6	2593	l5 and (magnetron with sputtering)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 06:53
L7	1585	l6 and (silver or zinc or copper)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 06:53
L8	688	l7 and (silver or zinc or copper).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 06:53
L9	433	l8 and nitride.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 06:54
L10	53	l9 and (simultaneous or codeposition)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 06:55
L11	1768	(magnetron adj sputtering).ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 07:41

## EAST Search History

L12	6	l11 and ((silver or zinc or copper). clm. and (zirconium or chromium or titanium).clm.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 07:05
L13	0	l11 and codeposition	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 07:06
L14	0	l11 and co-deposition	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 07:06
L15	153	l11 and ((zirconium or chromium or titanium) wit nitride)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 07:06
L16	26	l11 and ((zirconium or chromium or titanium) with nitride)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 07:17
L17	2	"5985308".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 07:17

## EAST Search History

L18	96	( "2103999"   "2785153"   "4043932"   "4054139"   "4167045"   "4325776"   "4341569"   "4377675"   "4404233"   "4411041"   "4411648"   "4418686"   "4443488"   "4476590"   "4483688"   "4520039"   "4528208"   "4543275"   "4564361"   "4569673"   "4590031"   "4592920"   "4603152"   "4612337"   "4615705"   "4642104"   "4657772"   "4664960"   "4670292"   "4677143"   "4683149"   "4693760"   "4716083"   "4718905"   "4743308"   "4743493"   "4846834"   "4849223"   "4855026"   "4867968"   "4886505"   "4902503"   "4906466"   "4923450"   "4932948"   "4933178"   "4944961"   "4952419"   "4960415"   "4973320"   "5005518"   "5019096"   "5019601"   "5045318"   "5047385"   "5049140"   "5055169"   "5057106"   "5073382"   "5078902"   "5080671"   "5084096"   "5089275"   "5098434"   "5098582"   "5108399"   "5123924"   "5123927"   "5133757"   "5152774"   "5152783"   "5152993"   "5180585"   "5207706"   "5211855"   "5223149"   "5242706"   "5248772"   "5320908"   "5322520"   "5405644"   "5427631"   "5454886"   "5468562"   "5474797"   "5520664").PN. OR ("5985308"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/02 07:34
L19	12	l18 and magnetron	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/02 07:35
L20	6	l19 and ((silver or zinc or copper) and nitride)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/02 07:38
L21	9	lo.in. and magnetron	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/02 07:39
L22	138	l11 and (silver or zinc or copper)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 07:42

## EAST Search History

L23	17	I22 and ((zirconium or chromium or titanium) with nitride)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:02
L24	0	"4917963".pn. and (nitride or carbide)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:04
L25	3	"4403014".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:04
L26	1	"4403014".pn. and magnetron	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:04
L27	54	((magnetron adj sputtering) and antibacterial and silver and nitride)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 11:02
L28	373	((magnetron adj sputtering) and (silver with deposition))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:34
L29	204	I28 and silver.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:32
L30	35	L28 and magnetron.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:16
L31	29	L29 and magnetron.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:16
L32	121	I29 and nitride	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:32
L33	1234	((magnetron adj sputtering) and (nitride with deposition))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:34
L34	652	I33 and nitride.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:34

## EAST Search History

L35	481	I34 and (titanium or chromium or zirconium)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:34
L36	3	I35 and magnetron.ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:35
L37	108	("3635811"   "3829373"   "4142958"   "4361472"   "4420385"   "4424103"   "4637869"   "4661229"   "4674621"   "4675096"   "4692233").PN. OR ("4851095"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/02 10:41
L38	49	I37 and (nitride with titanium or zirconium or chromium)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/02 10:42
L39	34	I38 and (magnetron with sputtering)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/02 10:42
L40	2350	((magnetron adj sputtering) and nitride and power and (V or volts))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 11:02
L41	795	I40 and nitride.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 11:02
L42	104	I41 and magnetron.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 11:02

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1249	((zirconium adj nitride) and (silver or zinc or copper))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 06:33
S2	367	S1 and (surface with deposition)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/02 06:43
S3	8	S2 and (antibacterial or antimicrobial)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/02 06:47
S4	14	S1 and (antibacterial or antimicrobial)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/02 06:45
S5	6133	((metal adj nitride) and (silver or zinc or copper))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/02 06:47
S6	57	S5 and (antibacterial or antimicrobial)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/02 06:49
S7	1659	S5 and (surface with coated)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/02 06:50
S8	1059	S7 and (deposited)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/02 06:50
S9	618	S8 and (sputtering)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/02 06:50
S10	17	S9 and (antibacterial or antimicrobial)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/02 06:51
S11	17060	(magnetron with sputtering)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/02 06:51

## EAST Search History

S12	5723	S11 and nitride	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/02 06:52
S13	1256	S12 and silver	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/02 06:52
S14	564	S13 and zirconium	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/02 06:52
S15	536	S14 and (copper or zinc or stainless or ceramic or plastic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/02 06:53
S16	252	S15 and (copper with alloy)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/02 06:53
S17	14	S16 and (anti-microbial or antimicrobial or anti-bacterial or antibacterial)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/02 06:55
S18	127	S16 and silver.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/02 06:58
S19	847	S11 and silver.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/02 06:58
S20	226	S19 and sputtering.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/02 06:58
S21	14	S20 and (zirconium adj nitride)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/02 07:01
S22	30	S11 and (silver with impregnated)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/02 07:03
S23	73	S11 and (silver with (impregnated or dispersed))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/02 07:03

## EAST Search History

S24	2	S23 and (zirconium with nitride)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/02 07:05
S25	11	S23 and zirconium	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/02 07:06
S26	43	S23 and nitride	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/02 07:06
S27	2	"5837275".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/02 07:14
S28	0	S27 and (zirconium)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/02 07:17
S29	17060	(magnetron with sputtering)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/02 07:37
S30	70	(nitride with silver with dispersed)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/02 07:18
S31	16	S30 and zirconium	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/02 07:19
S32	4309	S29 and (surface with deposition)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/02 07:19
S33	423	S32 and zirconium and silver	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/02 07:19
S34	1	S33 and (silver with dispersed)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/02 07:20
S35	145	S33 and (zirconium with nitride)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/02 07:20

## EAST Search History

S36	86	S35 and (zirconium with silver)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/02 07:24
S37	0	("4322276" and "5454886").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/02 07:25
S38	2	"4322276".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/02 07:25
S39	0	S38 and nitide	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/02 07:25
S40	0	S38 and nitride	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/02 07:25
S41	2	("5454886".pn. and nitride)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/02 07:36
S42	0	S41 and zirconium	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/02 07:26
S43	0	("5454886".pn. and zirconium)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/02 07:36
S44	657	S29 and (silver with coating)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/02 07:38
S45	80	S44 and (nitride with surface)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/02 07:38
S46	45	S45 and zirconium	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/02 07:38
S47	2197	(magnetron and sputtering).ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 06:33

## EAST Search History

S48	281982	((silver or zinc or copper) and (zirconium or chromium or titanium))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 06:35
S49	77	S47 and S48	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 06:35
S50	1088	"I4" and nitride	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 06:35
S51	40	S49 and nitride	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 06:35
S52	2	"4917963".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 06:37
S53	6	S51 and (silver or zinc or copper). clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 06:38